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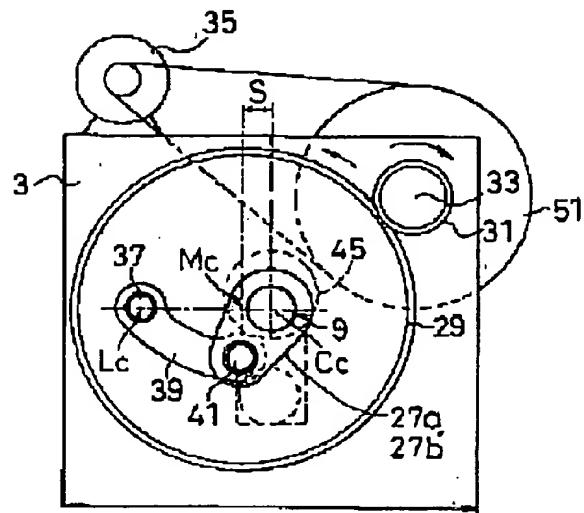
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APPLICANT : AMADA CO LTD;

INVENTOR : SEKINE TOSHIHISA;

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TITLE : DRIVING DEVICE OF PRESS MACHINE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a driving device to miniaturize a press machine while the weight balance of a crank shaft of the press machine is realized.

SOLUTION: A turnable crank shaft 9 to vertically move a slide is provided on a frame 3 through a bearing, and link bosses 27a, 27b one end of which is supported by the crank shaft 9. A main gear 29 in the uniform acceleration velocity rotation is supported by an outer circumference of the bearing. One end of a link lever 39 is pivotably attached to the eccentric position of the main gear 29, and the other end of the link lever 39 is pivotably attached to the other end of the link bosses 27a, 27b. By providing a balancing means to cancel the weight unbalance generated while the crank shaft is in motion on the crank shaft, the weight unbalance generated while the crank shaft is in motion is canceled, and the center of revolution of the crank shaft can be provided eccentrically in the horizontal direction from the center of the main gear, and the total height of a press machine can be reduced.

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